



NIRB Uuktuutinga Ihivriughikhamut #125365

Characterizing Iqaluit's baseline municipal wastewater contaminant loadings to the marine environment

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Scientific Research

Uuktuutinga Ublua: 7/4/2018 12:03:51 PM

Period of operation: from 0001-01-01 to 0001-01-01

Piumayaat Angirutinga: from 0001-01-01 to 0001-01-01

Havauhikhaq Ikayuuqtinga: Mark Hanson
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252 Wallace Building
Winnipeg Manitoba R3T 2N2
Canada
Hivayautit Nampanga:: 204-474-9897, Kayumiktukkut Nampanga::

QANURITTUT

Tukihiannaqtunik havaariyaumayumik uqauhiuyun

Qablunaatitut: Added as attached file.

Uiviititut: Added as attached file.

Inuktitut: Added as attached file.

Personnel

Personnel on site: 2

Days on site: 21

Total Person days: 42

Operations Phase: from 2018-08-26 to 2022-03-25

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
Possible Reference Site	Sampling sites	Marine	Site of continuous effluent release by the City of Iqaluit for many years.	Not known.	Adjacent to the City of Iqaluit wastewater treatment plant.
Possible Reference Site	Sampling sites	Marine	Not known.	Not known.	Located near Iqaluit, but outside the Sylvia Grinnell Territorial Park.
Sampling site in effluent plume	Sampling sites	Marine	Active shipping lane.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site in effluent plume	Sampling sites	Marine	Active shipping lane.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site in effluent plume	Sampling sites	Marine	Active shipping lane.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site at possible farthest extent of effluent plume	Sampling sites	Marine	Active shipping area.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site at possible farthest extent of effluent plume	Sampling sites	Marine	Active shipping area.	Not known.	Close to City of Iqaluit and proposed new harbour.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Iqaluit	Matthew Hamp	City of Iqaluit	2018-05-07
Iqaluit	Christopher Lewis	Department of Fisheries and Oceans	2018-05-01
Iqaluit	Pitseolak Alainga	Amaruq Hunters and Trappers Association	2018-05-01

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

South Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Information is not available				

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	Boat and snowmobile in winter	

Project accomodation types

Nunauyuq

Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Manta trawl	1	2m by 1m	Skim water surface for microplastic sampling

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Information is not available						

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqtittagaani qanuq	Atulirumayain imavaluin utiqtittagani humi
0		

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Researching	Anaagun (inuin anaaguin)	2L of effluent each year of study	Filtrate collected from wastewater effluent will be filtered for microbial analysis at a lab located at the NRI. Resulting filtrate will be sterilized (isopropyl alcohol or bleach) and disposed of down the drain, or stored for disposal back at the wastewater plant, depending on NRI preference or policy.	If available, we will also autoclave the waste.

Avatiliriniqmut Ayurhautingit:

There should be no environmental impacts from the proposed sampling program.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Qanurittuq Ittunik Avatinga: Avatingalluanga

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Miscellaneous Project Information

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Our study should result in no impacts to ecosystems or human health.

Tamatkiumayunik Ihuikgutivaktunik

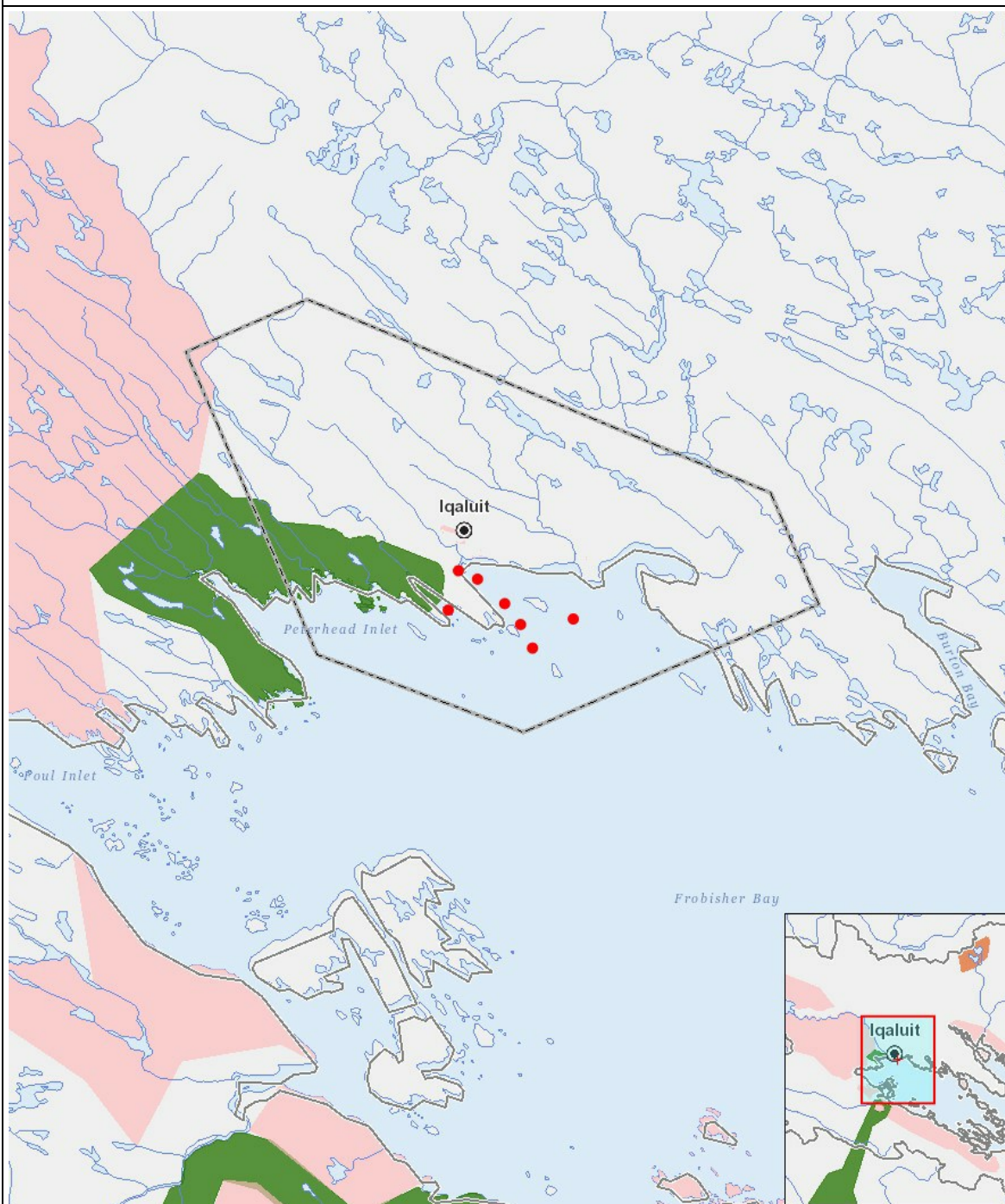
Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

[illegible]

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

PROJECT MAP



LIST OF PROJECT GEOMETRIES:

- | | | |
|---|-------|---|
| 1 | point | Possible Reference Site |
| 2 | point | Sampling site in direct City of Iqaluit wastewater effluent release |
| 3 | point | Sampling site in effluent plume |
| 4 | point | Sampling site in effluent plume |
| 5 | point | Sampling site in effluent plume |
| 6 | point | Sampling site at possible farthest extent of effluent plume |
| 7 | point | Sampling site at possible farthest extent of effluent plume |